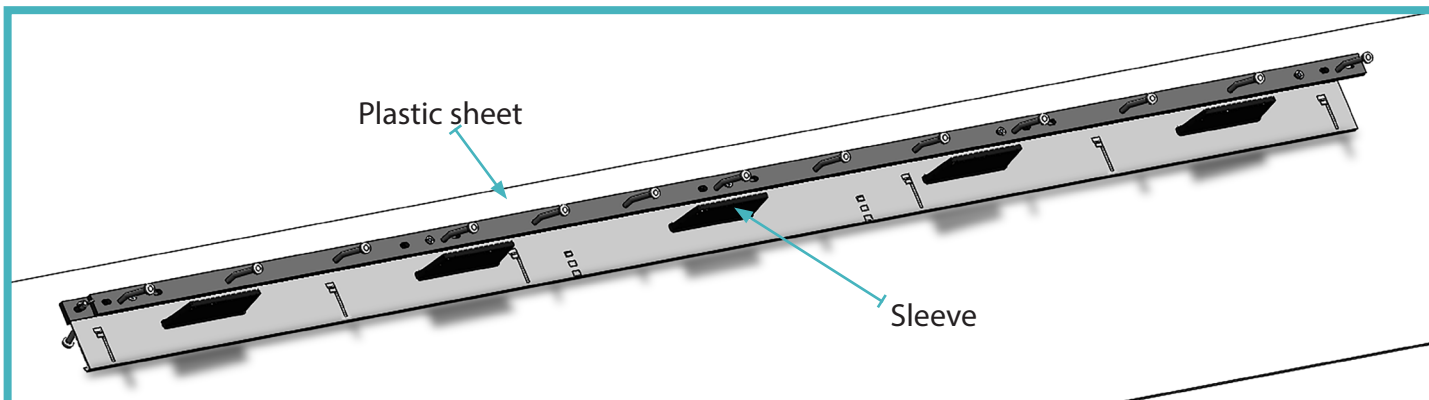**permaban**®

Permaban AlphaJoint Installation Guide
To Suit Slabs 150mm to 200mm Using AlphaFix Method

Installation Guide Issue 3.2
15/01/20

01 Placing the AlphaJoint

Place joints on the floor with sleeves pointing up.
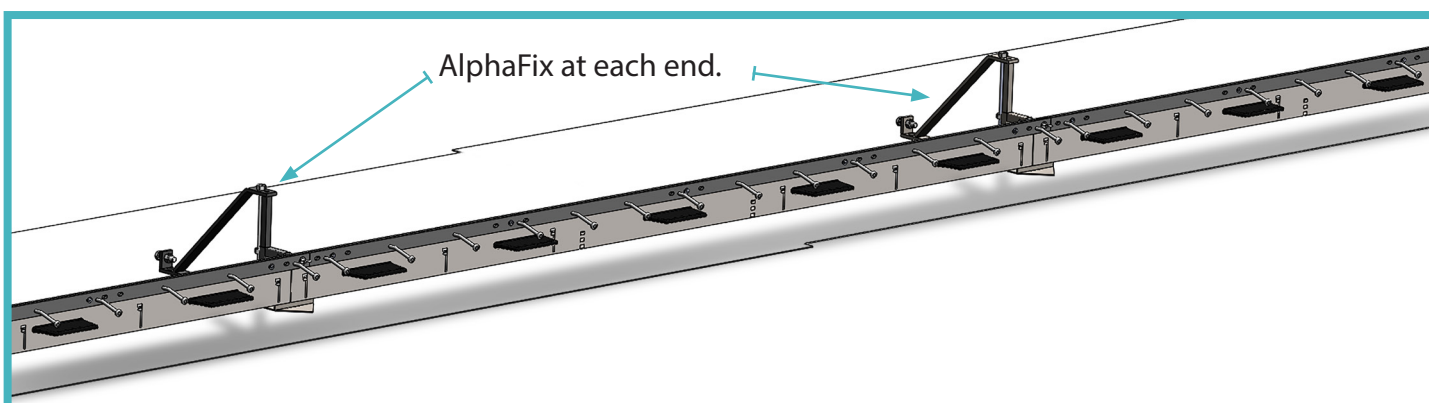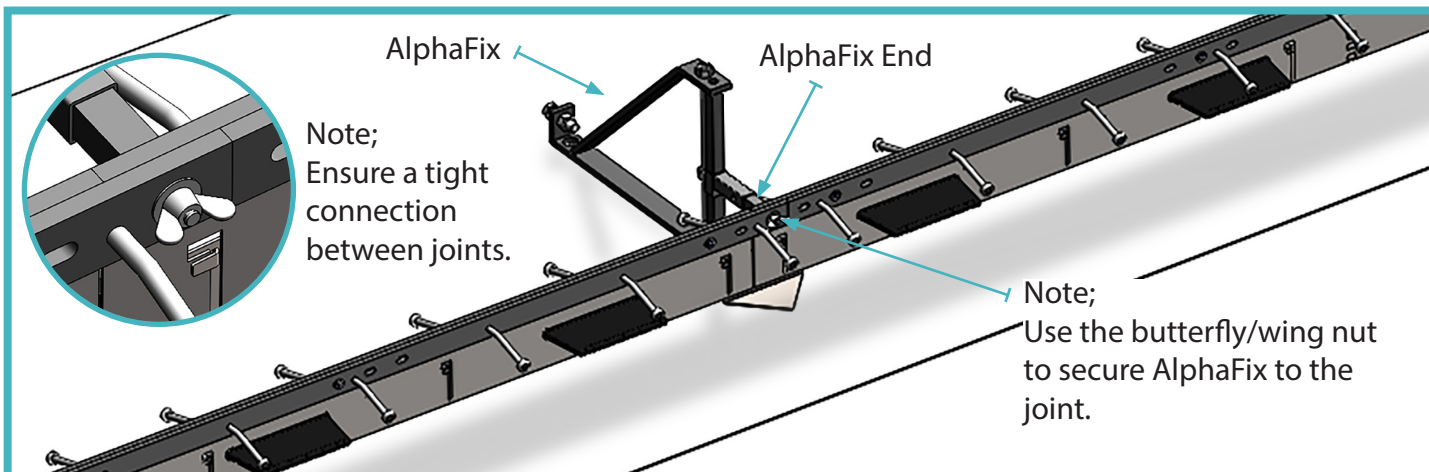

Plastic sheet

Sleeve

02 Assemble Joint to AlphaFix

Position AlphaFix at joining holes. Use one AlphaFix at each end of the joint.
Note;
The 4010 top strip may move laterally during transit and require minor realignment during installation.
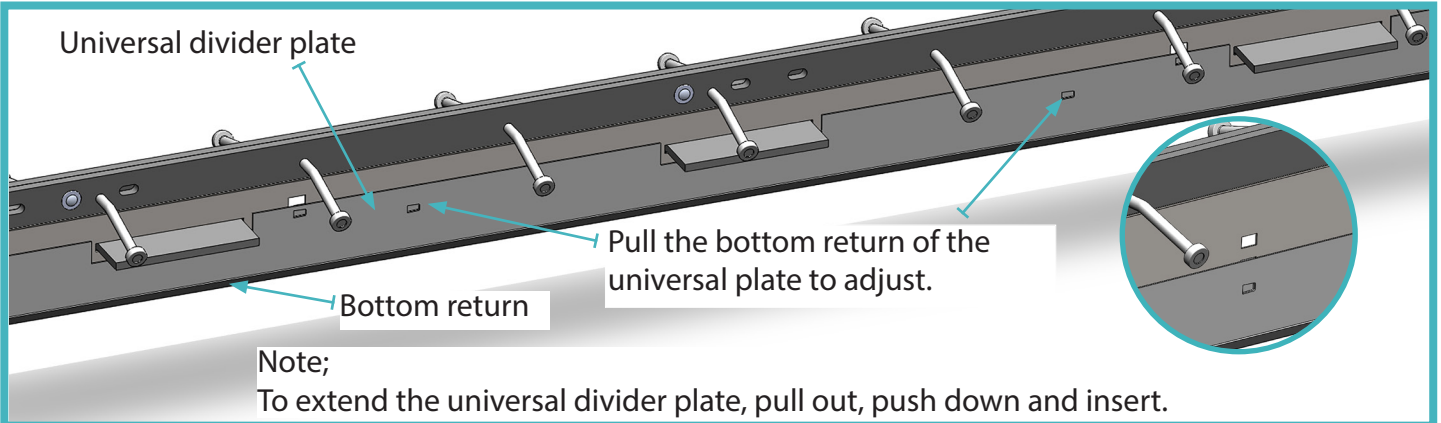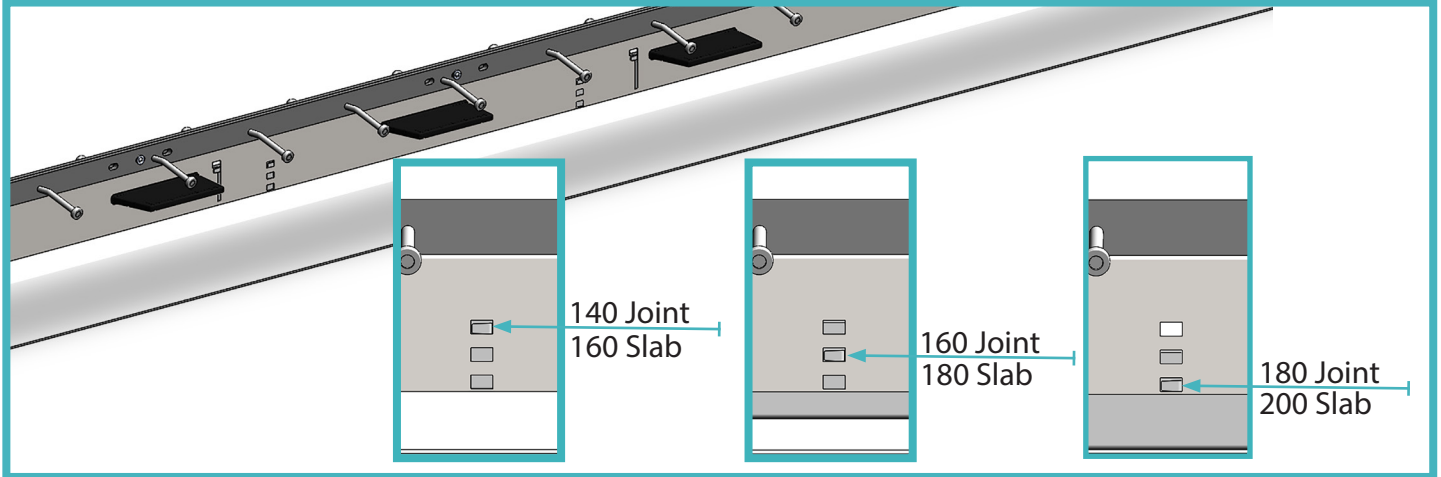

AlphaFix

AlphaFix End

Note;
Ensure a tight connection between joints.

Note;
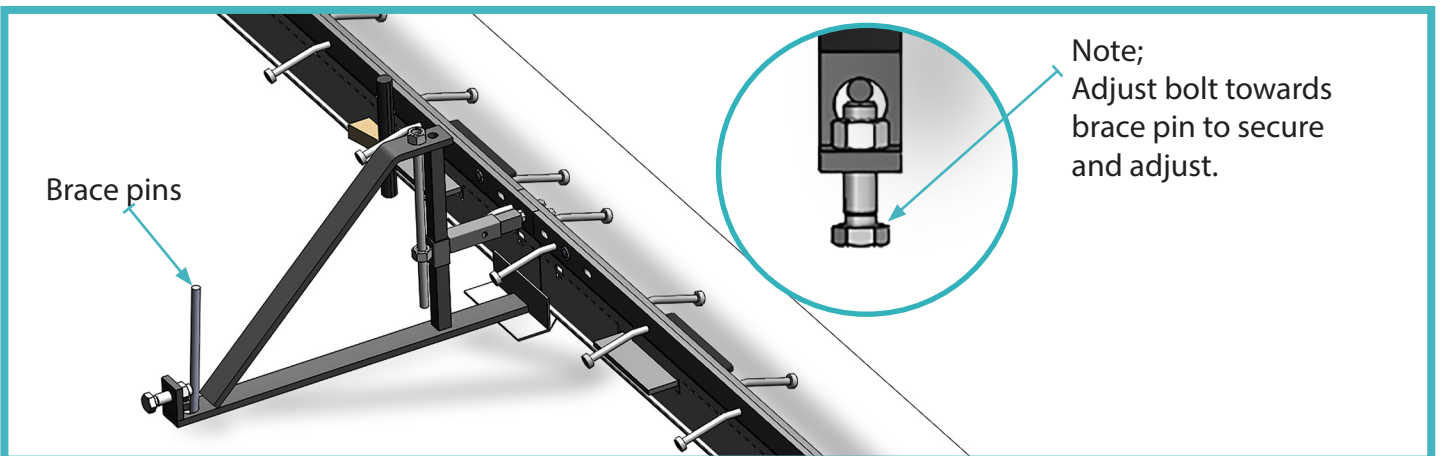Use the butterfly/wing nut to secure AlphaFix to the joint.

AlphaFix at each end.

03 Set AlphaJoint to Correct Slab Depth

AlphaJoint universal divider plate has 3 different size positions which can suit 3 slab depths.

140 Joint
160 Slab

160 Joint
180 Slab

180 Joint
200 Slab

Universal divider plate

Pull the bottom return of the universal plate to adjust.

Bottom return

Note;
To extend the universal divider plate, pull out, push down and insert.

04 Brace the Joint through AlphaFix Hole

Joint to follow the string-line.

Note;
Adjust bolt towards brace pin to secure and adjust.

Brace pins

05 Pin and Wedging

Use 3 pins and 3 wedges per joint.

Ensure the joint is straight and follows string-line.

String-line

Pin

Wooden Wedge

Note;
Upright AlphaFix plate needs to be in front of divider plate.

Note;
On a 180mm joint the wedge must be postioned between universal plate and fixed plate.
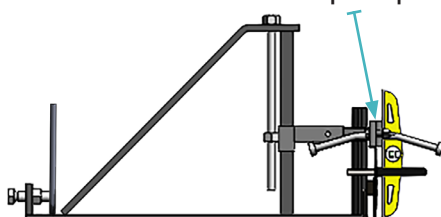
Fixed Plate

Universal Plate
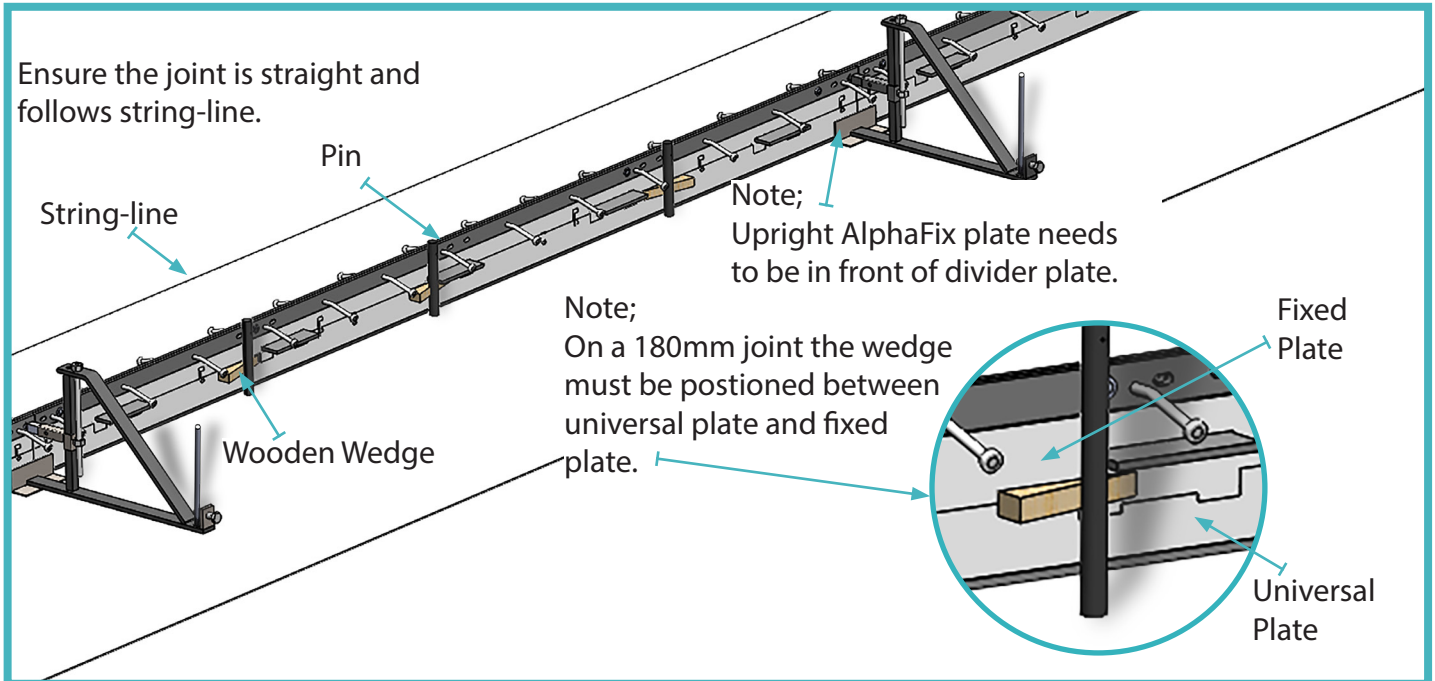
06 Adjust to Height

Check height is correct, adjust the 24mm nut on top of the AlphaFix to achieve height required, ensuring the joint is level using a spirit level/optical level.
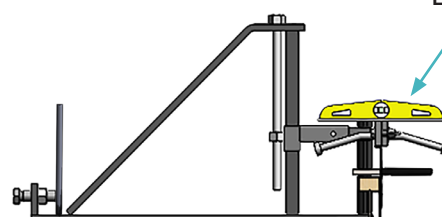

24mm nut

Note;
Check the joint is level in the 3 positions above.
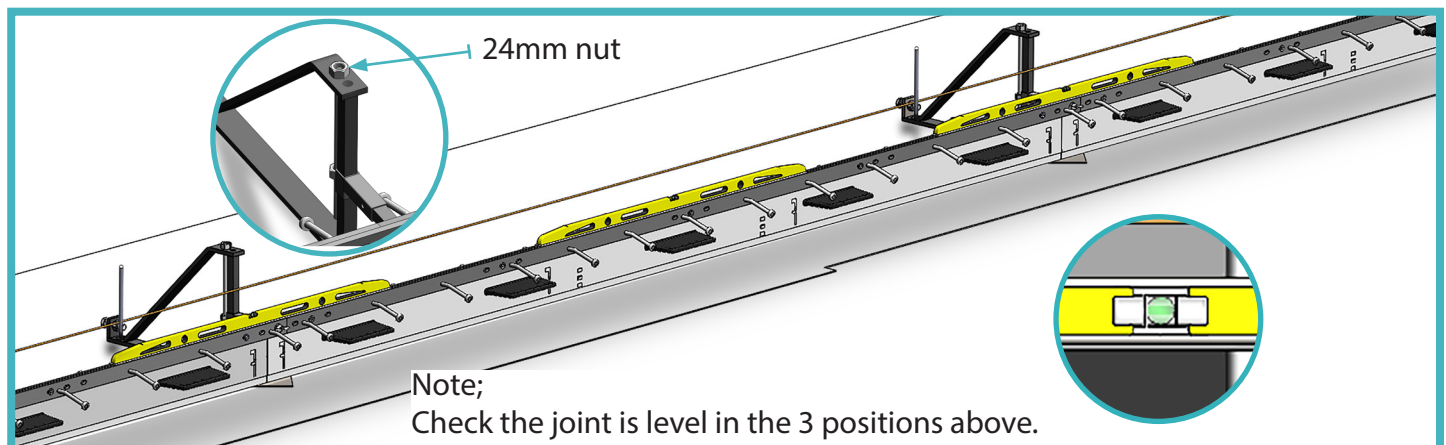
Note;
Joints must be fixed at 90°.

Top strip

Note;
Measure the vertical and horizontal level using the top strip.

Level

07 Vibrate Concrete
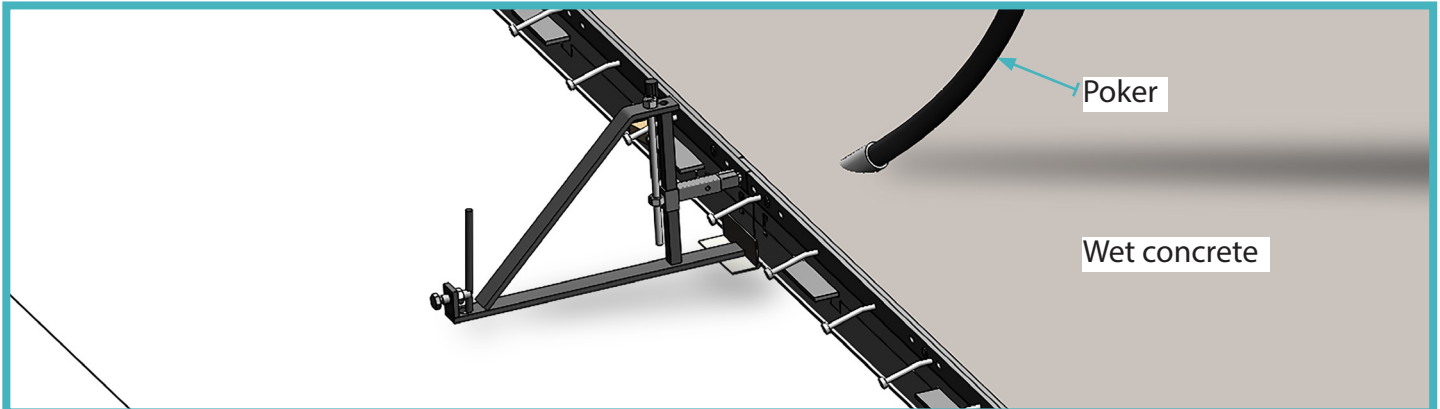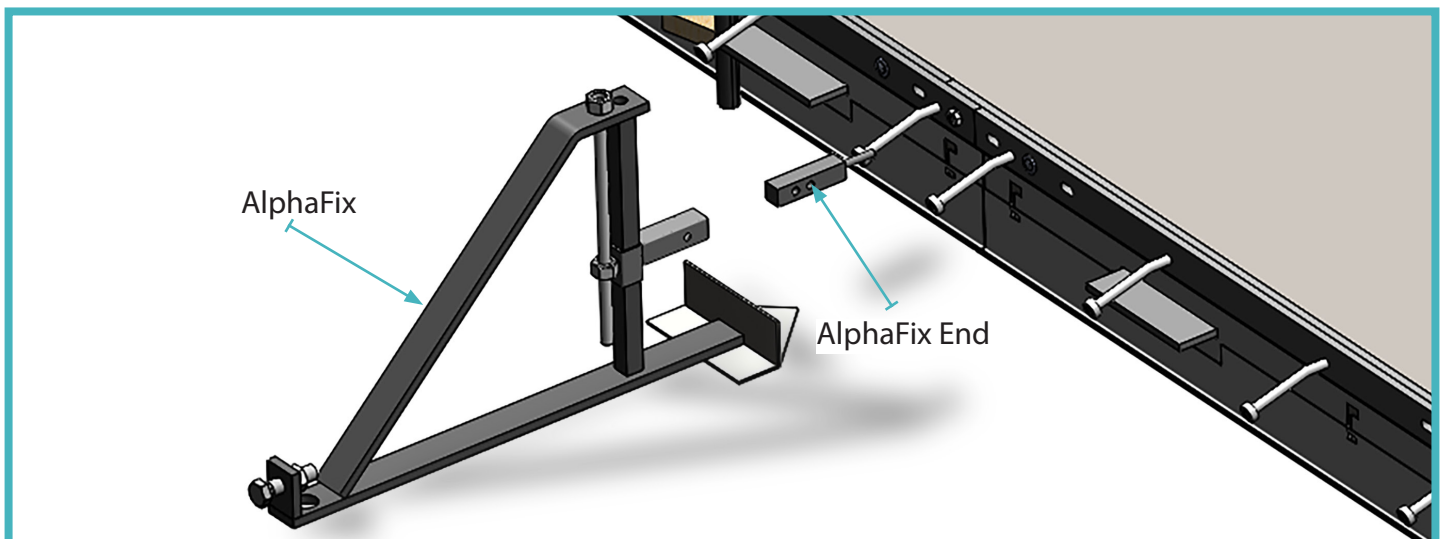
Poker vibrate along length of the joint to compacted concrete.

Poker

Wet concrete

08 Remove AlphaFix

Once the concrete is set, remove AlphaFix body from the AlphaFix End by unscrewing bolt through the 20x20 box. Then unscrew the AlphaFix End from the joint.

AlphaFix

AlphaFix End

09 Finish

Finish concrete, flush to top of the armoured joint ensuring the rail is clearly viable.